System Schematics

Service Addendum

A1200



Car Commodore AMIGA

Commodore Business Machines, Inc.
Technology Group
1200 Wilson Drive, West Chester, Pennsylvania 19380, USA.

JUMPERS AND STUFF

REF	TYPE	DESCRIPTION	PAGE
R246	SMT	NTSC COLOR BURST	4
R625 R624	SMT SMT	KEYBOARD MPU CLOCK KEYBOARD/SYSTEM RESET	9
	<u> </u>		=
			‡==
			#=

CONNECTORS

IREF	TYPE	DESCRIPTION	PAGE
CNI	DB9P	MOUSE/JOYSTICK I	5
CN1	DB9P	MOUSE/JOYSTICK 2	5
CN3	RCA-J	RIGHT AUDIO OUTPUT	5
CN4	RCA-J	LEFT AUDIO OUTPUT	5
CN5	08235	EXTERNAL FLOPPY	8
CN6	D825P	R\$232 SERIAL PORT	7
CN7	DB255	PARALLEL PRINTER PORT	1/2
CN8	SQ DIN	POWER SUPPLY CONNECTOR	
CN9	DB23P	VIDEO OUTPUT	6
CNIO	RCA-J	COMPOSITE VIDEO LINTERNAL FLOPPY SIGNAL	
CNII	DIL-34		8
CN12	ISIL-4	INTERNAL FLOPPY POWER KEYBOARD MEMBRANE	9
CN13	<u> IMEM-30</u>	INTERNAL FLOPPY POWER	8
CN14	SIL-4 MEM-30	KEYBOARD MEMBRANE	9
CN13	ISIL-4	KEYBOARD STATUS LED'S	ğ
CN15	PCMCIA	IPC "MEMORY CARD"	11
CHIS	1.5.16.111		1
P9	EDGE - 81	MEMORY BUS EXPANSION	12
-			L

REVISION HISTORY

DESCRIPTION	DATE	APRVL	MANAGER
ENGINEERING PROTOTYPE	03/13/92	GRR	
ADVANCE ENGINEERING RELEASE	06/28/92	GRR	
PILOT PRODUCTION RELEASE	09/09/92	GRR	
REVISED PER ECO 120495	11-13-92	吸	
	T		
	1	\Box	
	T	1	1
<u> </u>	<u> </u>		
		+	
	ENGINEERING PROTOTYPE ADVANCE ENGINEERING RELEASE PILOT PRODUCTION RELEASE	ENGINEERING PROTOTYPE 03/13/92 RDVANCE ENGINEERING RELEASE 06/20/92 PILOT PRODUCTION RELEASE 09/09/92	ENGINEERING PROTOTYPE 03/13/92 GRR ADVANCE ENGINEERING RELEASE 06/29/92 GRR PILOT PRODUCTION RELEASE 09/09/92 GRR

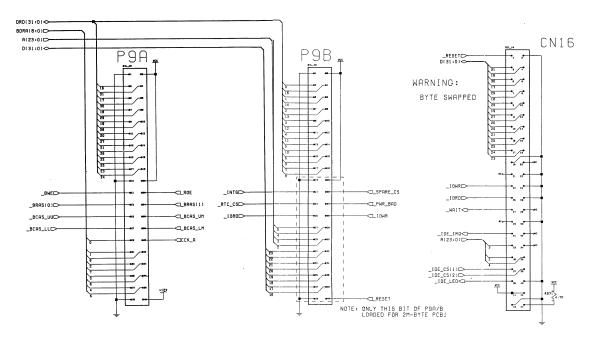
SIGNAL GLOSSARY

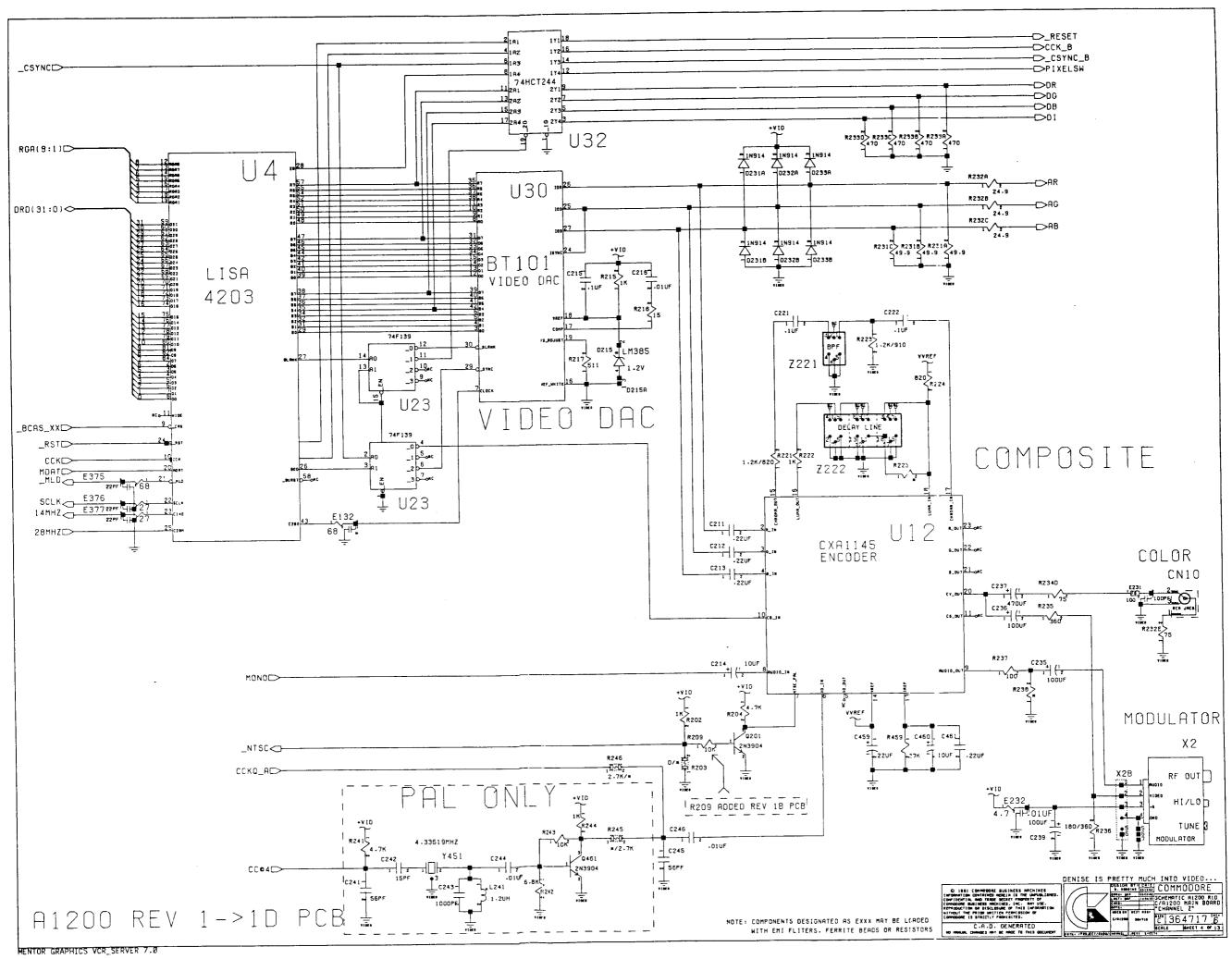
SIGNAL	DESCRIPTION (AREA)	PAGES
28MHZ	28.63636 MHZ MASTER CLOCK	
7MHZ	7.15909 MHZ PROCESSOR CLOCK	
A[23:1]	PROCESSOR ADDRESS BUS (68000)	I
ACK	DATA ACKNOWLEDGE (PARALLEL PORT)	
AS	ADDRESS STROBE (68000)	
AUDIN	AUDIO INPUT (RS232 PORT)	T
AUDOUT	AUDIO OUTPUT (R\$232 JACK)	
BEER	BUS ERROR (68000)	
BG	BUS GRANT (68000)	
BGACK	BUS GRANT ACKNOWLEDGE (68000)	
BLISS	BLITTER SLOWDOWN (CHIPS)	
BLIT	CHIP MEMORY ACCESS (CHIPS)	
BR	BUS REQUEST (68000)	T
BUSY	DEVICE BUSY (PARALLEL PORT)	
CASL/U	COLUMN ADDRESS STROBE (DRAM)	
CCK/CCKQ .	COLOR CLOCK / QUADRATURE (CHIPS)	
CDAC	7.15909 MHZ QUADRATURE CLOCK (CHIPS)	1
CHNG	MEDIA CHANGE (FLOPPY)	
CLKRD/WR	READ-TIME CLOCK READ / WRITE (RTC)	
	MONOCHROME COMPOSITE VIDEO (VIDEO)	
COMP	COMPOSITE SYNC (VIDEO)	1
CSYNC	CLEAR TO SEND (RS232 PORT)	
CIS	PROCESSOR DATA BUS (68000) -	
D[15:0]		
DIR		
DKRD		
DKMD		+
DKWE		
DMAL	CHIP DMA REQUEST LINE (CHIPS)	+
DRA[8:0]	DRAM ADDRESS BUS (DRAM)	
DRD[15:0]	DRAM DATA BUS (DRAM)	
DSR	DATA SET READY (R\$232 PORT)	+
DIACK	DATA TRANSFER ACKNOWLEDGE (68000)	
DTR	DATA TERMINAL READY (RS232 PORT)	-
E	PERIPHERAL ENABLE CLOCK (68000)	
EXTICK	EXPANSION PRESENT / RTC TICK	
FC[2:0]	FUNCTION CODE (68000)	
FIREO/1	FIRE BUTTON O/1 (JOYSTICKS)	
HLT.	PROCESSOR HALT (68000)	
HSYNC	HORIZONTAL SYNC (VIDEO)	
INDEX	INDEX PULSE (FLOPPY)	
[NT[2.3.6]	INTERRUPT REQUEST (CHIPS)	
IORESET	I/O RESET	-
[PL[2:0]	INTERRUPT PRIORITY LEVEL (68000)	
KBCLOCK.	KEYBOARD CLOCK (KEYBOARD)	
KBOATA	KEYBOARD DATA (KEYBOARD)	
KERESET	KEYBOARD RESET (KEYBOARD)	
LDS/UD\$	TUPPER / LOWER DATA STROBES (68000)	
LEO	POWER ON LED / AUDIO FILTER DISABLE	
LEFT/RIGHT	LEFT RIGHT AUDIO (AUDIO)	
1 = = 1 / 1 / 1 / 1		1

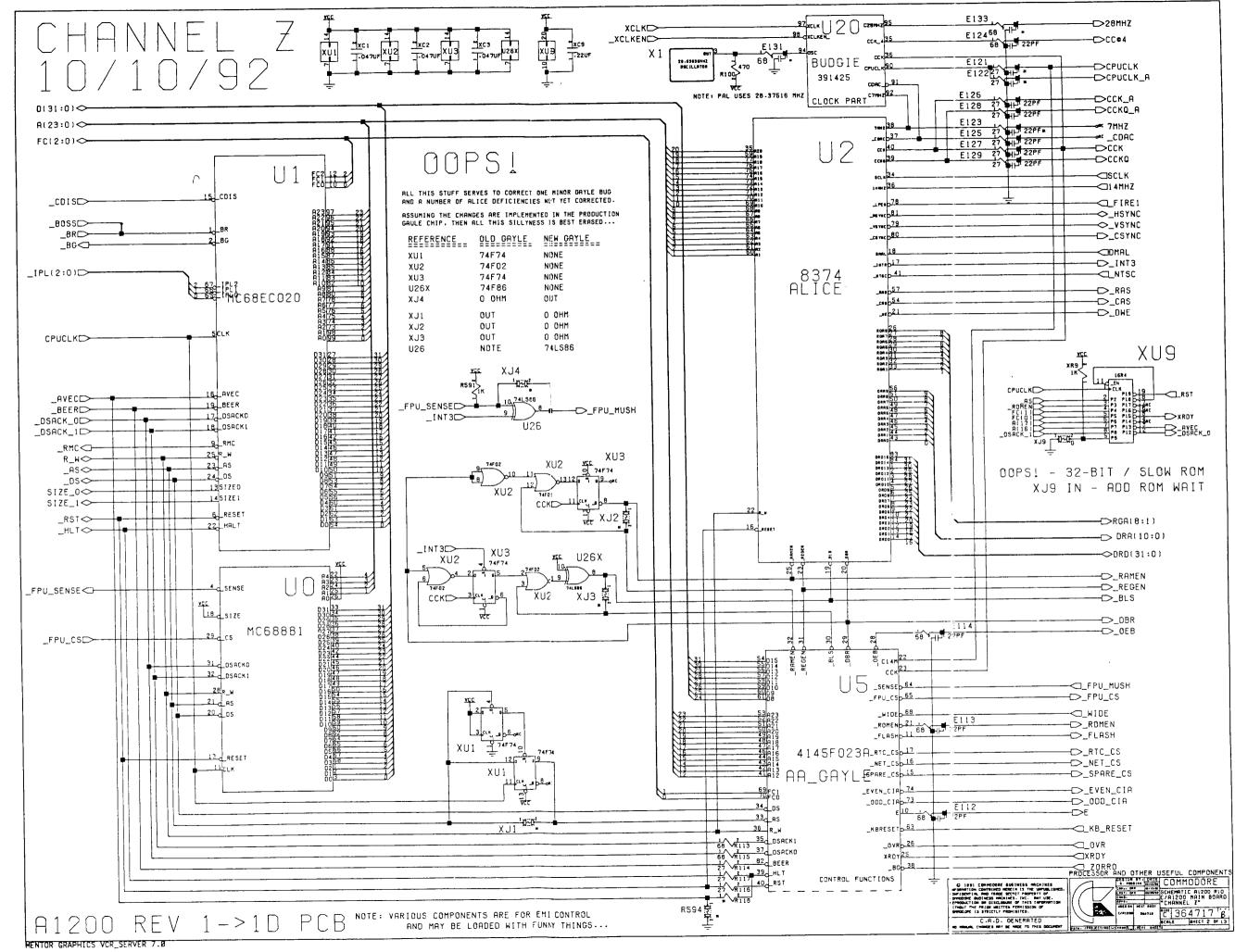
SIGNAL	DESCRIPTION (AREA)	PAGES
<u> </u>		
LPEN	LIGHT PEN TRIGGER (JOYSTICKS)	
MTR	MOTOR ON (FLOPPY)	
MTRO	MOTOR ON - DRIVE O (FLOPPY)	
HCM/VOM	MOUSE O QUADRATURE V/H (JOYSTICKS)	
MIV/MIH	MOUSE I QUADRATURE V/H (JOYSTICKS)	
OVL	OVERLAY ROM OVER RAM	
OVR	OVERRIDE SYSTEM DECODING	
PIXELSH	GENLOCK PIXEL SWITCH (VIDEO)	
POTOX/0Y	POT LINES O X/Y (JOYSTICKS)	
POTIX/IY	POT LINES 1 X/Y (JOYSTICKS)	
POUT	PAPER OUT (PARALLEL PORT)	
PPD[7:0]	PARALLEL PORT DATA (PARALLEL PORT)	
RAMEN	RAM ENABLE (CHIPS)	
REGEN	CHIP REGISTER ENABLE (CHIPS)	
RASO/I	LROW ADDRESS STROBE (UKHM)	
RDY	ORIVE READY (FLOPPY)	
PESET	GENERAL RESET	
RGA[d:.]	REGISTER ADDRESS BUS (CHIPS)	
R/G/B	RED / GREEN / BLUE (VIDEO)	
RI	RING INDICATE (R5232 PORT)	
RCMEN	ROM ENABLE (ROM)	
RTS	REQUEST TO SEND (RS232 PORT)	
RST	PROCESSOR RESET (68000)	T
RXD	RECEIVE DATA (RS232 PORT)	
RW	PROCESSOR READ/WRITE (68000)	
SEL	SELECT (PARALLEL PORT)	
SEL [3:2]	DRIVE SELECT (FLOPPY)	
SIDE	SIDE SELECT (FLOPPY)	
STEP	STEP IN/OUT COMMAND (FLOPPY)	
TRKO	TRACK ZERO SENSE (FLOPPY)	
TXD	TRANSMIT DATA (RS232 PORT)	
VMA	VALID MEMORY ADDRESS (68000)	
VPA	VALID PERIPHERAL ADDRESS (68000)	
VSYNC	VERTICAL SYNC (VIDEO)	
WE	WRITE ENABLE (DRAM)	
WPR01	WRITE PROTECT SENSE (FLOPPY)	
XCLK	EXTERNAL GENLOCK CLOCK (VIDEO)	
XCLKEN	EXTERNAL CLOCK ENABLE (VIDEO)	
XROY	EXTERNAL DATA READY	
- ANGI	CATEMAC STATE	
	** CREDIT CARD AND IDE STUFF? **	

KEY COMPONENTS

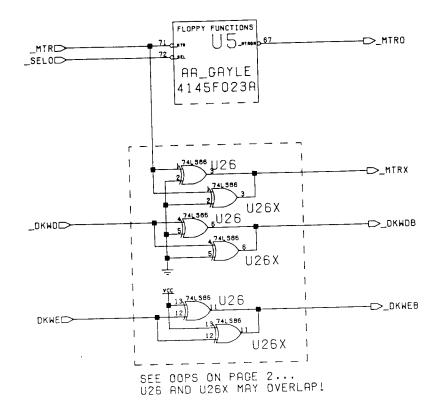
RE .	CHIP_	DESCRIPTION	PAGE
		DD0050000 (CH/17	<u> </u>
<u>U1</u>	68000	68000 PROCESSOR 16MHZ	2 5 4
UŽ	8374	ALICE (AA AGNUS)	
U3	8364	PAULA	5
U 4	4203	LISA (AA DENISE)	4
Ū5	F023A	AA GAYLE (CBM ASIC)	2.8.11
IIS -	ASST	ROM 512KX16, 150 NS	10
US U7 -8	A\$\$1 8\$20	AMIGA VIA. 1 MHZ	7
111 1-11	28F 10	FLASH MEMORY 128KX8	10
111 5	CXAL149		4
Ŭi 3	68HC05	AMIGA KEYBOARD MPU	9
	PST518	OW VOLTAGE SENSE IC	9
U49 U15	1F347	BIMOS OP-AMP	
	TLOB4	BICMOS OP-AMP	ALT
U15-17 U19-19	ASST	DRAM 256KX16, 80NS	3
U19-19	RSST	DRAM 256KX16 OPTIONAL	3
112.5	391???	IBUDGIE (ASIC)	3 2
lijā š	1488	FIG LINE DRIVER	17
1129	1489	FIA LINE RECEIVER	7
U25 U28 U29 U30	BTIOI	TRIPLE 8-BIT VIDEO DA	3.4
			<u> </u>
	L		<u> </u>
X 1	losc .	TTL 28.63636 MHZ NTSC	IALT
Ĺ	050	TTL 28.37512 MHZ PAL	
Y 4 5 1	XTAL	4.43619MHZ PAL BURST	4
Y451 Y021	XTAL	3MHZ CERAMIC RESONATO	1 9
X2	ASST	PAL VIDEO MODULATOR	4
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ASST	NTSC VIDEO MODULATOR	4
	1		
	1		
	1		



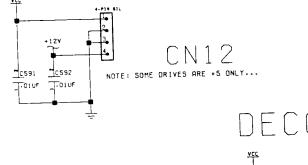




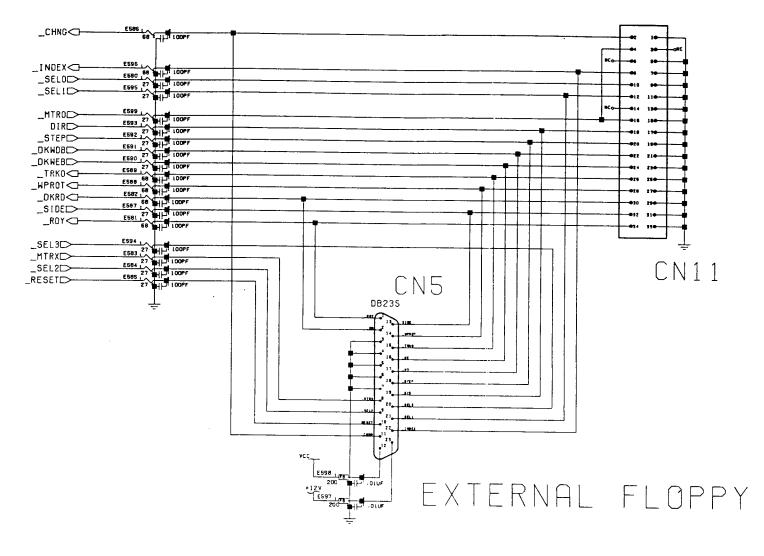
FLOPPY LOGIC

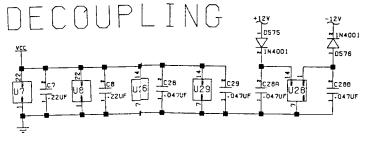


FLOPPY POWER



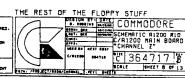
INTERNAL FLOPPY



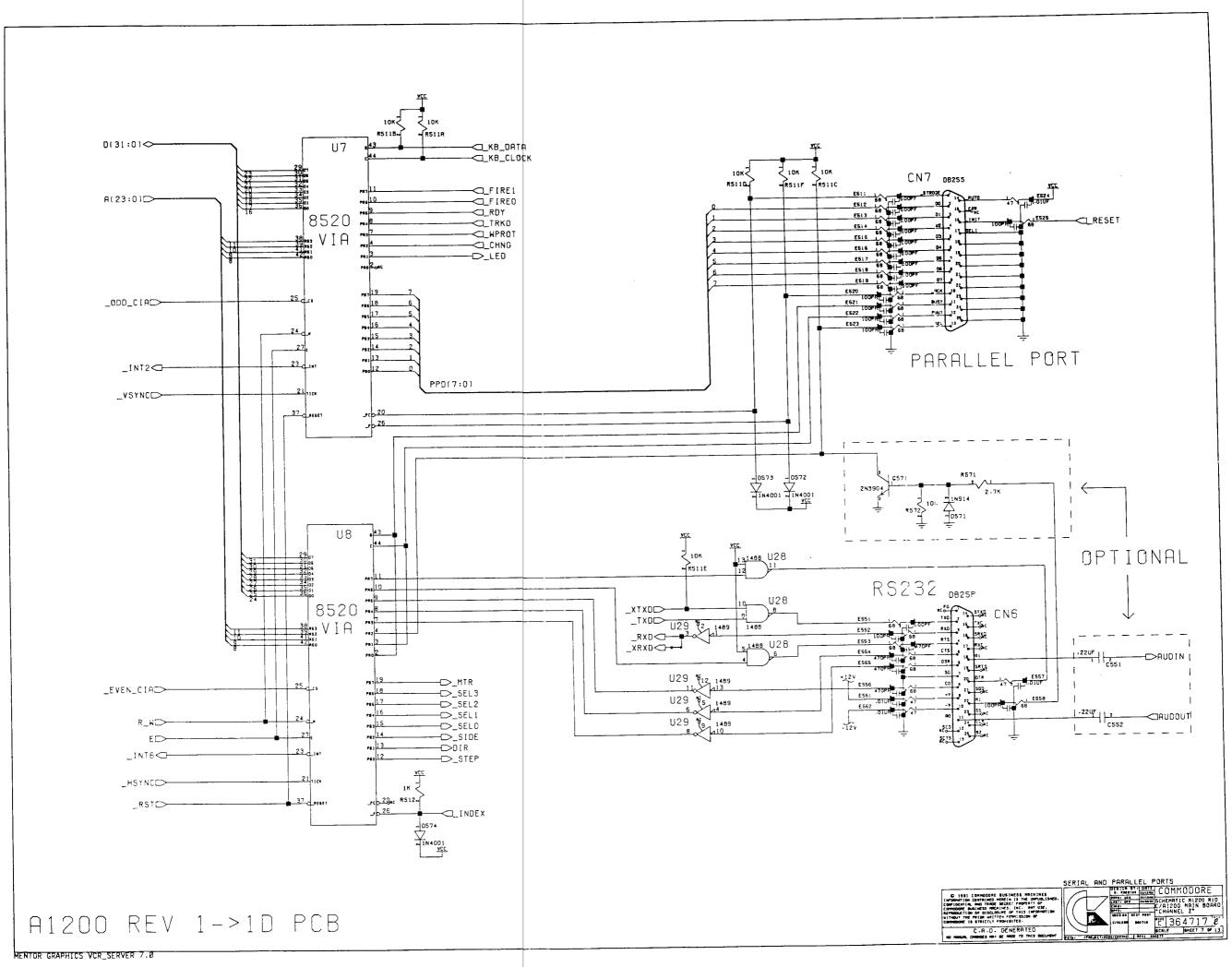


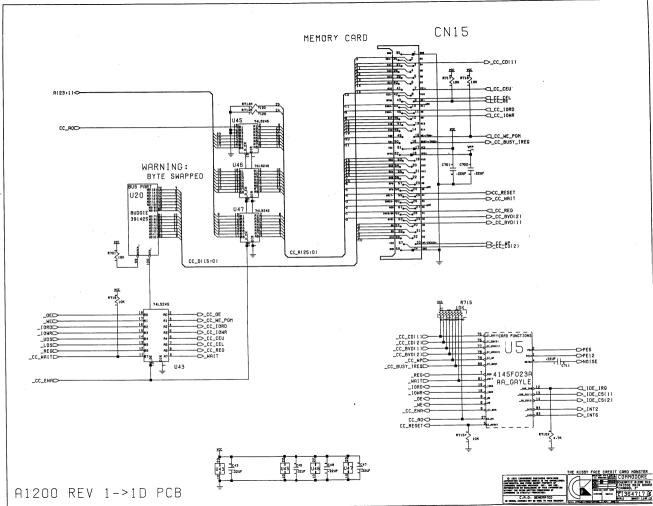
THE RE

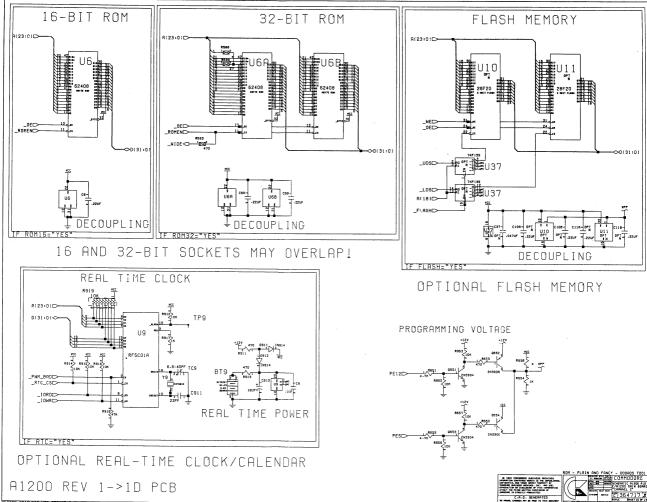
C 1981 Commonore austress enchines
to committee committee metter is the deviational
to committee committee metter is the deviational
committee committee metter in the deviation
of commonore that these metters remission or
commonor is structure provision or
commonor is structure provision or
commonore is structure provision or
commonored in the common of the common or
commonored in the common or committee or
commonored in the common or committee or
committee or committee or
committee or committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or
committee or

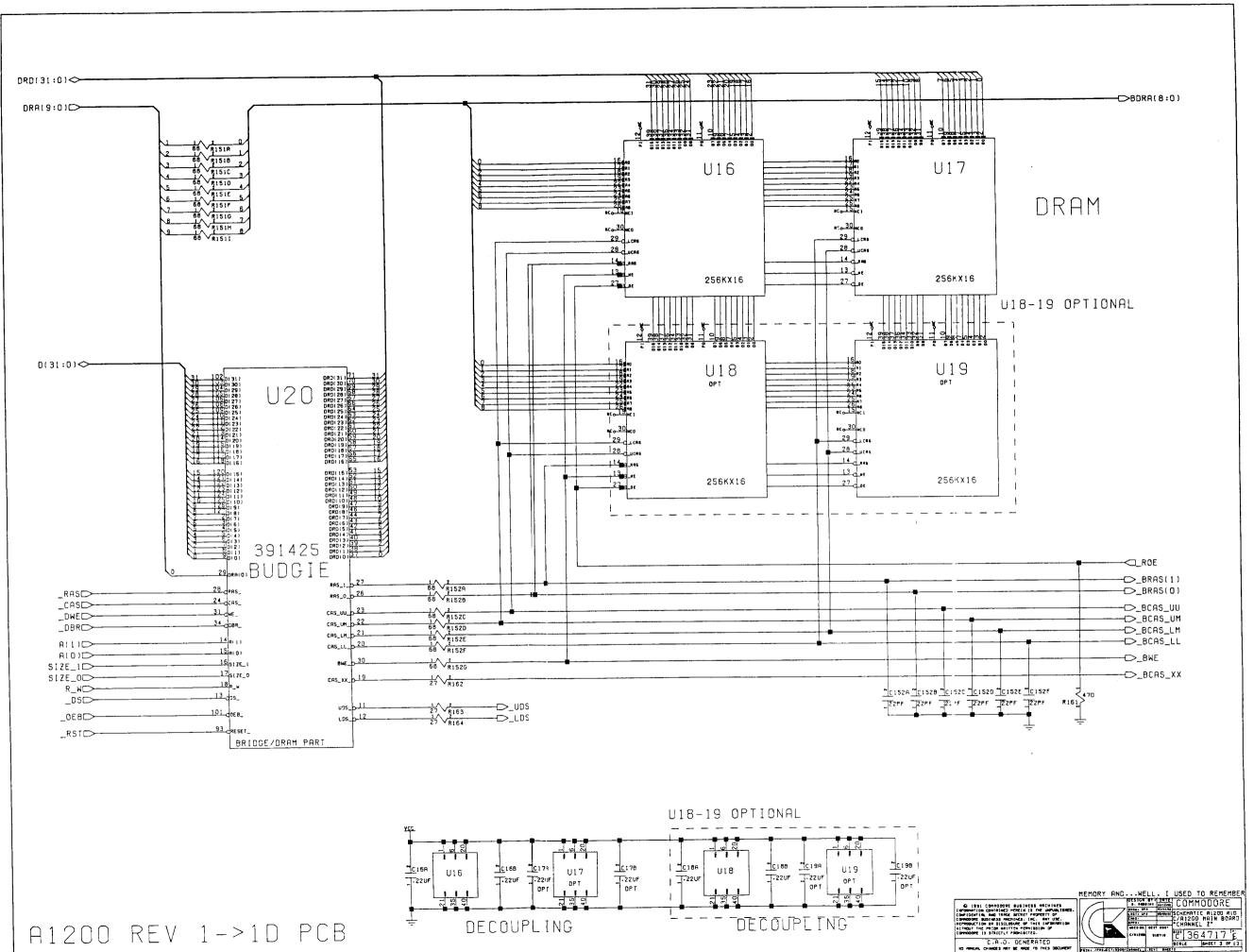


A1200 REV 1->1D PCB

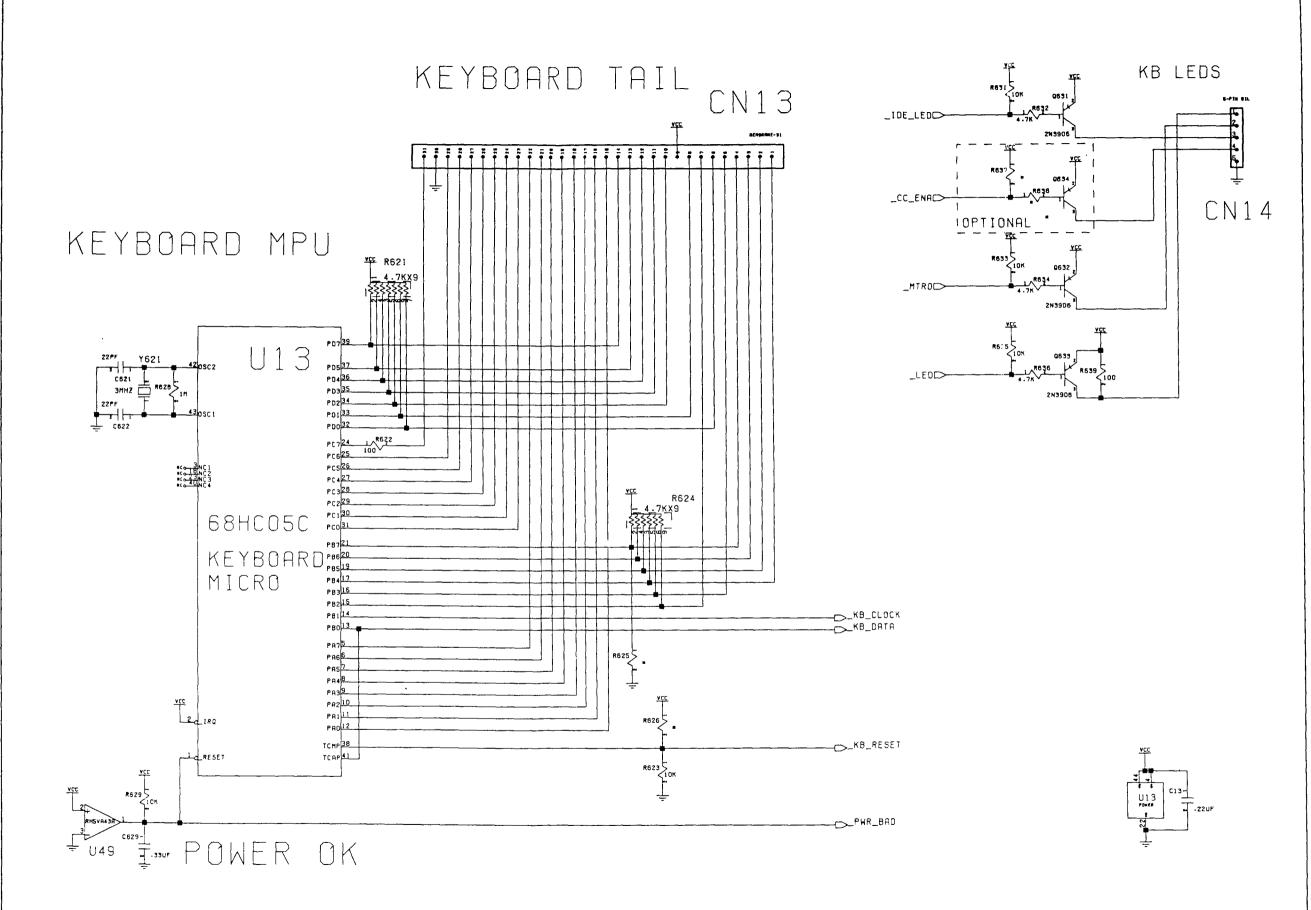


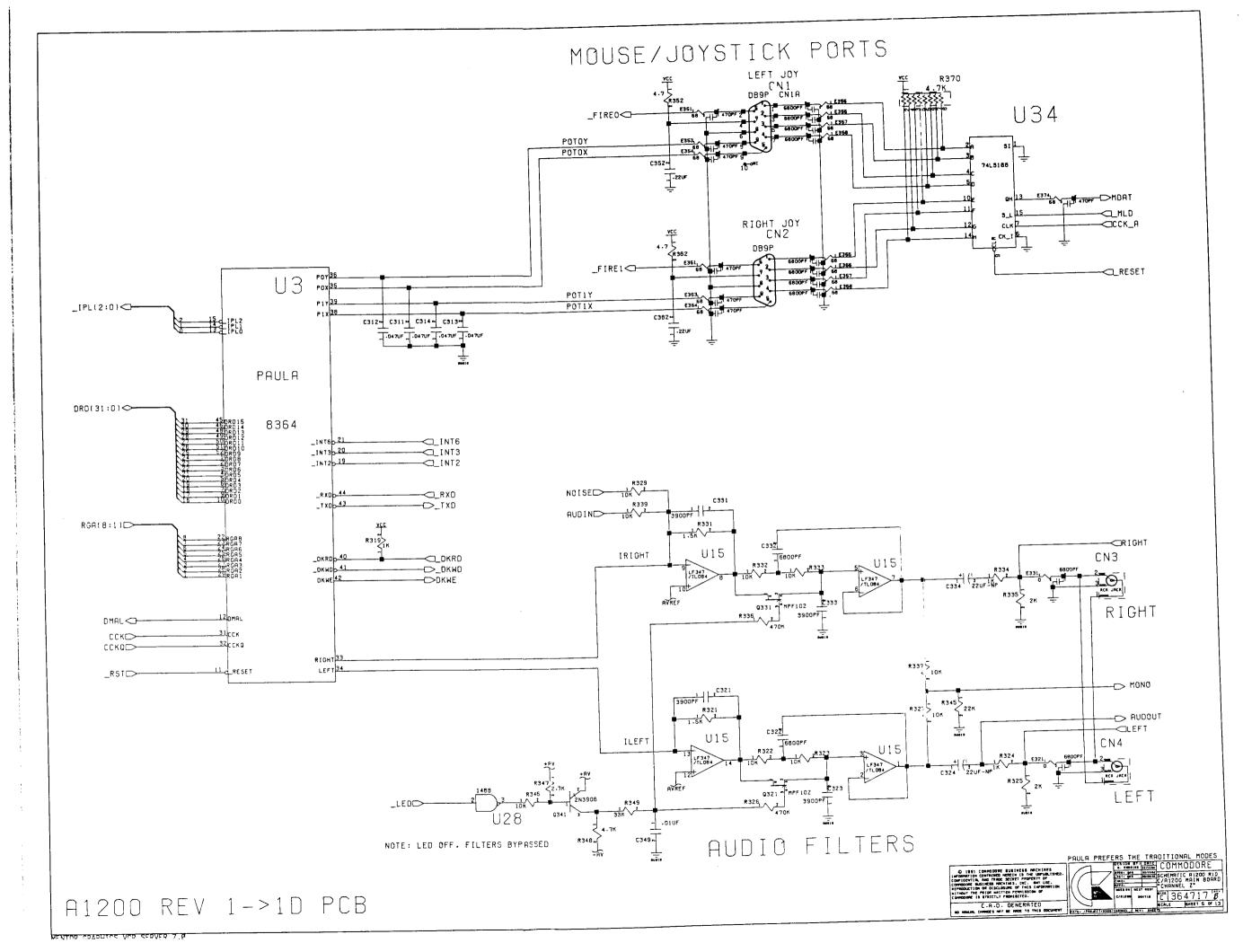






MENTOR GRAPHICS VCR_SERVER 7.8





GENERAL DECOUPLING

